

CHAPTER 31

WEIGHT HANDLING SAFETY

3101. Discussion

Safe and reliable weight handling is critical to the operation of the Navy. The minimum requirements and applicable standards for the safe use of all types of weight handling (WH) and rigging equipment at Navy shore activities, and shore based commands, are summarized below.

3102. Program Requirements

a. Reference 31-1 provides weight handling policy and directs compliance with reference 31-2 for Navy shore activities and shore-based commands. Shore-based commands include the Naval Construction Force (NCF) and other operating forces that own or operate WH equipment ashore.

b. Reference 31-2 is a single source document and complies with references 31-3 through 8, which are the Occupational Safety and Health Administration (OSHA) standards applicable to WH and rigging equipment, and references 31-9 through 31-23, which are national consensus standards.

c. The commanding officer or officer in charge is responsible for ensuring safety of the activity's weight handling program which includes certification of equipment, training and qualification of personnel.

d. OSHA requires activities using cranes and derricks in longshoring operations, and floating cranes and floating derricks in shipbuilding, ship repair and shipbreaking to be certified by an OSHA accredited certification agency. References 31-3, 31-4, 31-5 and 31-6 address OSHA certification requirements. Activities shall use reference 31-2 as an alternate standard to the certification requirements for Navy-owned equipment, and the Navy Crane Center, Naval Facilities Engineering Command shall perform the certification. Non-floating cranes and derricks that activities use in shipbuilding, ship repair and shipbreaking do not require third party certification.

(1) Longshoring Definition. Reference 31-5 defines the term "longshoring operations" as "the loading, unloading, moving, or handling of cargo, ship's stores, gear, or any other materials, into, in, on, or out of any vessel." The certification program includes mobile cranes, placed aboard barges or other vessels, and used to transfer materials into, on, in, or out of a vessel.

(2) Certification Requirement. The Navy Crane Center shall certify all Navy-owned equipment requiring third party certification, unless CNO (N45) approves an alternative certification source. For contractor-owned equipment operated on Navy installations, a private OSHA-accredited certification agency shall provide the third party certification.

(3) Procedures. Reference 31-2 addresses specific procedures for third party certification.

e. Investigation and Reporting of WH Accidents. Reference 31-2 contains special reporting requirements concerning WH accidents.

3103. Responsibilities

a. Commander, Naval Facilities Engineering Command (COMNAVFACENGCOM) shall manage the Navy's WH programs ashore through its Navy Crane Center of Expertise, ensuring compliance with OSHA standards. Specific mission responsibilities include providing and maintaining policy to establish design standards and manage weight handling equipment and operations, auditing shore activity and shore-based command weight handling programs to ensure compliance, reviewing and approving crane alterations, issuing crane safety advisories, equipment deficiency notices and establishing training programs.

b. Reimbursable functions include:

- (1) Performing third party certifications
- (2) Providing technical assistance to solve unique weight handling problems
- (3) Acquiring new cranes or refurbishing existing cranes by contract.

These responsibilities are specifically addressed in reference 31-1.

c. Chief of Naval Education and Training (CNET) shall assist COMNAVFACENGCOM in establishing and maintaining weight handling training programs.

d. Commanders, Commanding Officers and Officers In Charge shall develop and implement WH and rigging programs per references 31-1 and 31-2 and adequately budget to ensure compliance.

e. Cognizant OSH Offices shall provide oversight of the safety program, including safety inspection, evaluations, assessments and audits, risk assessments and mishap investigation.

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References

31-1. SECNAVINST 11260.2 of 10 Sept 97, Navy Weight Handling Program for Shore Activities (NOTAL)

31-2. NAVFAC P-307, Management of Weight handling Equipment

31-3. Title 29 Code of Federal Regulations (CFR) 1915, Occupational Safety and Health (OSH) Standards for Shipyard Employment

31-4. Title 29 CFR 1917, Safety and Health Regulations for Marine Terminals

- 31-5. Title 29 CFR 1918, Safety and Health Regulations for Longshoring"
- 31-6. Title 29 CFR 1919, Safety and Health Regulations for Gear Certification
- 31-7. Title 29 CFR 1910, OSH General Industry Standards
- 31-8. Title 29 CFR 1926, Safety and Health Regulations for Construction
- 31-9. American Society of Mechanical Engineers (ASME) B30.2-1996 (with addenda a,b and c), An American National Standard for Overhead and Gantry Cranes (To Running Bridge, Single or Multiple Girder, Top Running Trolley Hoist) (NOTAL)
- 31-10. American Society of Mechanical Engineers (ASME) B30.4-1998 (with addenda a and b), An American National Standard for Portal, Tower and Pillar Cranes (NOTAL)
- 31-11. American Society of Mechanical Engineers (ASME) B30.5-2000, An American National Standard for Mobile and Locomotive Cranes (NOTAL)
- 31-12. American Society of Mechanical Engineers (ASME) B30.6-1995 (with addenda a, b, and c), An American National Standard for Derricks (NOTAL)
- 31-13. American Society of Mechanical Engineers (ASME) B30.7-1994 (with addenda a,b, and c) An American National Standard for Base Mounted Drum Hoists (NOTAL)
- 31-14. American Society of Mechanical Engineers (ASME) B30.8-1999, An American National Standard for Floating Cranes and Floating Derricks, (NOTAL)
- 31-15. American Society of Mechanical Engineers (ASME) B30.9-1996 (with addenda a, b, and c) An American National Standard for Slings, (NOTAL)
- 31-16. American Society of Mechanical Engineers (ASME) B30.10-1999, An American National Standard for Hooks, (NOTAL)
- 31-17. American Society of Mechanical Engineers (ASME) B30.11-1998 (with addenda a) An American National Standard for Monorail and Underhung Cranes, (NOTAL)
- 31-18. American Society of Mechanical Engineers (ASME) B30.16-1998, An American National Standard for Overhead Hoists (Underhung), (NOTAL)
- 31-19. American Society of Mechanical Engineers (ASME) B30.17-1998 (with addenda a) An American National Standard for Overhead and Gantry Cranes (Top Running Bridge, Single Girder, Underhung Hoist), (NOTAL)
- 31-20. American Society of Mechanical Engineers (ASME) B30.20-1999, An American National Standard for Below-the-Hook Lifting Devices, (NOTAL)
- 31-21. American Society of Mechanical Engineers (ASME) B30.21-1999, An American National Standard for Manually Lever Operated Hoists, (NOTAL)

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15 July 2002

31-22. American Society of Mechanical Engineers (ASME) B30.22, An American National Standard for Articulating Boom Cranes, (NOTAL)

31-23. Wire Rope Sling Users Manual published by the Wire Rope Technical Board